

ABSTRACT

The invention proposes a lightened turbomachine blade (10) comprising an airfoil (40) made of a metal alloy, this airfoil (40) itself having a cavity (70) closed off by a cover (80) on one of the two sides (50), called the hollowed side (50a), this cover (80) providing aerodynamic continuity of the side (50a), this cover (80) being bonded via the edge (85) to the rest of the airfoil (40) by a weld bead (100).

Such a blade is noteworthy in that the weld bead (100) emerges on the hollowed side (50a) and penetrates into the airfoil (40) to a depth P at least equal to the thickness EC of the edge of the cover (85) so as to provide continuity of material between the edge of the cover (85) and the rest of the airfoil (40) over a depth at least equal to the thickness EC of the edge of the cover (85).

The invention also proposes a process for manufacturing such a blade (10).

Figure 2